

NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH17002818

TEST REPORT

Applicant:

PLAN CREATIONS CO., LTD. Date: May 25, 2017

8 MOO 8, TRANG-PALIAN RD.,

YANTAKAO, TRANG, THAILAND 92140 ATTN: K.NARONG, K.SUPAPORN

Sample description:

Quantity of sample:

Sample description:

Date sample received:

Date information received:

One (1) set

Wooden toy

March 01, 2017

May 18, 2017

Client Information:

One (1) set of submitted sample said to be STATION

Item Name: STATION Item Number: 6620



Test conducted:

As requested by the applicant, for details please refer to attached page(s)

To be continued

Authorized by:

For Intertek Testing Services (Thailand) Ltd.,

Hardlines Laboratory

Ladtaka Wongwiboonporn Laboratory Manager

Hardlines Department

Intertek Testing Services (Thailand) Ltd.

1285/5 Prachachuen Road, Wong-Sawang, Bangsue, Bangkok 10800 Thailand

Tel.: (662) 837-2999 Fax: (662) 837-2936 E-mail Address: tfh.thailand@intertek.com



TEST REPORT

Conclusion:

The report shall not be reproduced without written approval from Intertek The results relate only to the item tested.



Number: BKKH17002818

Tested samples	<u>Standard</u>	Result
	11.0 AOTHA F000 (04 DL 1 L 1 L 1 L 1 L 1 L 1 L 1 L 1 L 1 L	_

Submitted sample U.S. ASTM F963-16 for Physical and mechanical tests **Pass**

> U.S. ASTM F963-16 for Flammability test of materials Pass other than textile materials

> U.S. ASTM F963-11 and F963-16 for Heavy elements Test Pass

Standard - U.S. CFR title 16 (CPSC regulations) Pass

Part 1303 total Lead content

Standard

U.S. Consumer product safety improvement Pass Act 2008(H.R. 4040) Title I, Section 101

For total lead content in surface coating

U.S. Consumer product safety improvement Pass

Act 2008(H.R. 4040) Title I, Section 101

For total lead content in non-surface coating material (substrate)

U.S. Consumer product safety improvement Pass

Act 2008(H.R. 4040) Title I, Section 108 Requirement on phthalates

Phthalate Content Requirement base **Pass** on the California Proposition 65

Illinois Lead Poisoning Prevention **Pass**

Act 410 ILCS 45 section 6 (public act 095-1019)

Remark: As requested by the applicant, the test was conducted only on components listed in this report.

Other components were not tested.

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TEST REPORT

Remark:

The chemical test results was not conducted on the below components of samples. Applicant claimed the components were tested on our previous test report.

Components	Report No.	<u>Date</u>
ASTM F963-11: Heavy metal	DI/I/I I4 00 00 4 4	M. 47.0040
Brown Coating On Wood	BKKH16006844	May 17,2016
BLUE COATING ON WOOD	BKKH16008147	Jun 09,2016
RED COATING ON WOOD	BKKH16008147	Jun 09,2016
ORANGE COATING ON WOOD	BKKH16008147	Jun 09,2016
LACQUER COATING ON WOOD	BKKH16008147	Jun 09,2016
WHITE COATING ON WOOD	BKKH16008148	Jun 09,2016
YELLOW COATING ON WOOD	BKKH16008768	Jun 21,2016
DARK GREEN COATING ON WOOD	BKKH16015744	Nov 07,2016
LIGHT GRAY COATING ON WOOD	BKKH16015744	Nov 07,2016
GRAY COATING ON WOOD (15744)	BKKH16015744	Nov 07,2016
GREEN COATING ON WOOD	BKKH16016102S2	Dec 01,2016
Gray coating on wood	BKKH16015641	Nov 07,2016
Black Coating On Wood	BKKH16016482	Nov 24,2016
ASTM F963-16: Heavy metal		
BLACK COATING ON SAWDUST	BKKH17003953	Apr 03,2017
WHITE COATING ON SAWDUST	BKKH17003953	Apr 03,2017
DARK BROWN COATING ON SAWDUST	BKKH17003952	Apr 03, 2017
Blue coating on wood (3530)	BKKH17003530S1	Mar 24, 2017
BROWN COATING ON SAWDUST	BKKH17005493	May 17, 2017
LIGHT GRAY COATING ON SAWDUST	BKKH17005493	May 17, 2017
Lead in surface coating		
Brown Coating On Wood	BKKH16006844	May 17,2016
BLUE COATING ON WOOD	BKKH16008147	Jun 09,2016
RED COATING ON WOOD	BKKH16008147	Jun 09,2016
ORANGE COATING ON WOOD	BKKH16008147	Jun 09,2016
LACQUER COATING ON WOOD	BKKH16008147	Jun 09,2016
WHITE COATING ON WOOD	BKKH16008148	Jun 09,2016
YELLOW COATING ON WOOD	BKKH16008768	Jun 21,2016
DARK GREEN COATING ON WOOD	BKKH16015744	Nov 07,2016
LIGHT GRAY COATING ON WOOD	BKKH16015744	Nov 07,2016
GRAY COATING ON WOOD (15744)	BKKH16015744	Nov 07,2016
GREEN COATING ON WOOD	BKKH16016102S2	Dec 01,2016
Gray coating on wood	BKKH16015641	Nov 07,2016
Black Coating On Wood	BKKH16016482	Nov 24,2016
BLACK COATING ON SAWDUST	BKKH17003953	Apr 03,2017
WHITE COATING ON SAWDUST	BKKH17003953	Apr 03,2017
DARK BROWN COATING ON SAWDUST	BKKH17003952	Apr 03, 2017
Blue coating on wood (3530)	BKKH17003530S1	Mar 24, 2017
BROWN COATING ON SAWDUST	BKKH17005493	May 17, 2017
LIGHT GRAY COATING ON SAWDUST	BKKH17005493	May 17, 2017

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Components	Report No.	<u>Date</u>
Lead in substrate	DIGGUA 0007044	14 00 0040
Plywood	BKKH16007214	May 23,2016
White Sawdust 5%	BKKH16007214	May 23,2016
WHITE JOINT PLASTIC	BKKH16014216	Oct 07,2016
CREAM PLASTIC JOINT	BKKH16017556	Dec 20,2016
Black/ White plastic	BKKH16017641	Dec 21,2016
Solid Wood	BKKH17000142	Jan 10,2017
CREAM ELASTIC	BKKH17003195	Mar 13,2017
YELLOW SAWDUST (1235C)	BKKH17003189	Mar 13,2017
Phthalate content		
Brown Coating On Wood	BKKH16006844	May 17, 2016
Plywood	BKKH16007214	May 23, 2016
White Sawdust 5%	BKKH16007214	May 23, 2016
BLUE COATING ON WOOD	BKKH16008147	Jun 09, 2016
RED COATING ON WOOD	BKKH16008147	Jun 09, 2016
ORANGE COATING ON WOOD	BKKH16008147	Jun 09, 2016
LACQUER COATING ON WOOD	BKKH16008147	Jun 09, 2016
WHITE COATING ON WOOD	BKKH16008148	Jun 09, 2016
YELLOW COATING ON WOOD	BKKH16008768	Jun 21, 2016
WHITE JOINT PLASTIC	BKKH16014216	Oct 07, 2016
DARK GREEN COATING ON WOOD	BKKH16015744	Nov 07, 2016
LIGHT GRAY COATING ON WOOD	BKKH16015744	Nov 07, 2016
GRAY COATING ON WOOD (15744)	BKKH16015744	Nov 07, 2016
Gray coating on wood	BKKH16015641	Nov 07, 2016
Black Coating On Wood	BKKH16016482	Nov 24, 2016
GREEN COATING ON WOOD	BKKH16016102S2	Dec 01, 2016
CREAM PLASTIC JOINT	BKKH16017556	Dec 20, 2016
Black/ White plastic	BKKH16017641	Dec 21, 2016
CREAM ELASTIC	BKKH17003195	Mar 13, 2017
YELLOW SAWDUST (1235C)	BKKH17003189	Mar 13, 2017
BLACK COATING ON SAWDUST	BKKH17003953	Apr 03, 2017
WHITE COATING ON SAWDUST	BKKH17003953	Apr 03, 2017
DARK BROWN COATING ON SAWDUST	BKKH17003952	Apr 03, 2017
Blue coating on wood (3530)	BKKH17003530S1	Mar 24, 2017
BROWN COATING ON SAWDUST	BKKH17005493	May 17, 2017
LIGHT GRAY COATING ON SAWDUST	BKKH17005493	May 17, 2017

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NSC-TISI-TIS 17025 TESTING 0417

Number: BKKH17002818

TEST REPORT

Test conducted:

1 Physical And Mechanical Tests

Test Standard: ASTM Standard Consumer Safety Specification for Toy Safety F963-16.

Age group for testing: For age over 3 years

The submitted samples were undergone the use and abuse tests in accordance with the Federal

Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations : -

 Test
 FHSA
 Parameter

 Drop test
 Section 1500.53(b)
 4 x 3.0 ft

 Torque test
 Section 1500.53(e)
 4 in-lbf

 Tension test
 Section 1500.53(f)
 15 lbf

Clause	<u>Testing items</u>	Assessment
4.1	Material quality	Р
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (small objects)	NA
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for 36 months to 72 months (small part warning)	Р
4.7	Accessible edges	Р
4.8	Projections	NA
4.9	Accessible points	Р
4.10	Wires or rods	NA
4.11	Nails and fasteners	NA
4.12	Plastic film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps and elastics	NA
4.15	Stability and over-load requirements	NA
4.16	Confined spaces	NA
4.17	Wheels, tires and axles	Р
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA

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TEST REPORT

Test conducted:

Clause	Testing items	Assessment
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery-operated toys	NA
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	NA
4.28	Stroller and carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA
4.37	Yoyo elastic tether toys	NA
4.38	Magnets	NA
4.39	Jaw entrapment in handles and steering wheels	NA
4.40	Expanding materials	NA
4.41	Toy chests	NA
5	Labelling requirement	Р
6	Instructional literature	Р
7	Producer's markings	
	- name of producer (toy and package)	Yes
	- address (package)	Yes

Remark: P = Pass NA = Not applicable

▲ = Tested items are not included in the TISI Accreditation

The submitted samples were undergone the tests in accordance with clause 8.5 through clause 8.17 and 8.19 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

Testing period: March 01, 2017 to March 08, 2017

2 Flammability Test[▲]

Test Standard: Clause 4.2 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-16.

Results: Did not ignite

▲ = Tested items are not included in the TISI Accreditation

Testing period: March 01, 2017 to March 08, 2017

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Number: BKKH17002818

TEST REPORT

Test conducted:

3 **Heavy Elements Analysis**

As per clause 4.3.5.1(2) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, acid extraction method was used and heavy elements migration content were determined by ICP-OES analysis.

			Result mg/kg			<u>LOD</u> mg/kg	<u>LOQ</u> mg/kg	Limit mg/kg
	(1)	(2)	(3)	(4)	(5)	mgrkg	mgrkg	
Sol. Barium (Ba)	239	<4	ND	ND	ND	1	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	1	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	1	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	2	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	1	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	2	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	1	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	2	5	25

Remark: Sol. = Soluble

mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million LOD = Limit of Detection

LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

Tested components:

(1) =	Brown Coating On Wood	Refer	BKKH16006844
(2) =	BLUE COATING ON WOOD	Refer	BKKH16008147
(3) =	RED COATING ON WOOD	Refer	BKKH16008147
(4) =	ORANGE COATING ON WOOD	Refer	BKKH16008147
(5) =	LACQUER COATING ON WOOD	Refer	BKKH16008147

Note: The results of soluble toxic elements were adjusted by subtracting the analytical correction factor.

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TEST REPORT

Test conducted:

Heavy Elements Analysis

As per clause 4.3.5.1(2) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, acid extraction method was used and heavy elements migration content were determined by ICP-OES analysis.

			Result mg/kg			<u>LOD</u> mg/kg	<u>LOQ</u> mg/kg	Limit mg/kg
	(6)	(7)	(8)	(9)	(10)	mg/ng	mg/kg	
Sol. Barium (Ba)	ND	<4	<4	<4	<4	1	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	<4	1	5	90
Sol. Cadmium (Cd)	ND	<4	ND	ND	ND	1	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	2	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	1	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	2	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	1	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	2	5	25

Remark: Sol. = Soluble

mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million LOD = Limit of Detection

LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

Tested components:

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(6) =	WHITE COATING ON WOOD	Refer	BKKH16008148
(7) =	YELLOW COATING ON WOOD	Refer	BKKH16008768
(8) =	DARK GREEN COATING ON WOOD	Refer	BKKH16015744
(9) =	LIGHT GRAY COATING ON WOOD	Refer	BKKH16015744
(10) =	GRAY COATING ON WOOD (15744)	Refer	BKKH16015744

Note: The results of soluble toxic elements were adjusted by subtracting the analytical correction factor.

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NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH17002818

TEST REPORT

Test conducted:

Heavy Elements Analysis

As per clause 4.3.5.1(2) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11 and F963-16 $^{\blacktriangle}$, acid extraction method was used and heavy elements migration content were determined by ICP-OES analysis.

			Result mg/kg			<u>LOD</u> mg/kg	<u>LOQ</u> mg/kg	Limit mg/kg
	(11)	(12)	(13)	(14)	(15)			
Sol. Barium (Ba)	<4	177	<4	<5	10	1	5	1000
Sol. Lead (Pb)	<4	ND	ND	ND	ND	1	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	1	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	2	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	1	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	2	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	1	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	2	5	25

Remark: Sol. = Soluble

< = Less than

mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(11) =	GREEN COATING ON WOOD	Refer	BKKH16016102S2
(12) =	Gray coating on wood	Refer	BKKH16015641
(13) =	Black Coating On Wood	Refer	BKKH16016482
(14) =	BLACK COATING ON SAWDUST	Refer	BKKH17003953
(15) =	WHITE COATING ON SAWDUST	Refer	BKKH17003953

Note: The results of soluble toxic elements were adjusted by subtracting the analytical correction factor.



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TEST REPORT

Test conducted:

Heavy Elements Analysis

As per clause 4.3.5.1(2) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11 and F963-16^A, acid extraction method was used and heavy elements migration content were determined by ICP-OES analysis.

			Result mg/kg		<u>LOD</u> mg/kg	<u>LOQ</u> mg/kg	Limit mg/kg
	(16)	(17)	(18)	(19)			
Sol. Barium (Ba)	<5	303	<5	ND	1	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	1	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	1	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	2	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	1	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	2	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	1	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	2	5	25

Remark: Sol. = Soluble

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Tested components:

(16) =	DARK BROWN COATING ON SAWDUST	Refer	BKKH17003952
(17) =	Blue coating on wood (3530)	Refer	BKKH17003530S1
(18) =	BROWN COATING ON SAWDUST	Refer	BKKH17005493
(19) =	LIGHT GRAY COATING ON SAWDUST	Refer	BKKH17005493

Note: The results of soluble toxic elements were adjusted by subtracting the analytical correction factor.



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TEST REPORT

Test conducted:

Heavy Elements Analysis

As per clause 4.3.5.2(2)(b) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, acid extraction method was used and heavy elements migration content were determined by ICP-OES analysis.

			Result mg/kg			<u>LOD</u> mg/kg	<u>LOQ</u> mg/kg	Limit mg/kg
	(20)	(21)	(21)	(23)	(24)	mg/kg	<u>mg/kg</u>	
Sol. Barium (Ba)	ND	ND	ND	ND	ND	1	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	1	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	1	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	2	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	1	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	2	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	1	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	2	5	25

Remark: Sol. = Soluble

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LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

Tested components:

(20) =	Plywood	Refer	BKKH16007214
(21) =	White Sawdust 5%	Refer	BKKH16007214
(21) =	WHITE JOINT PLASTIC	Refer	BKKH16014216
(23) =	CREAM PLASTIC JOINT	Refer	BKKH16017556
(24) =	Black/ White plastic	Refer	BKKH16017641

Note: The results of soluble toxic elements were adjusted by subtracting the analytical correction factor.

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Test conducted:

Heavy Elements Analysis

As per clause 4.3.5.2(2)(b) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11 and F963-16 $^{\blacktriangle}$, acid extraction method was used and heavy elements migration content were determined by ICP-OES analysis.

			Result		<u>LOD</u>	<u>LOQ</u>	Limit mg/kg
	(05)	(00)	mg/kg	<u>1</u>	mg/kg	mg/kg	
	(25)	(26)	(27)				
Sol. Barium (Ba)	ND	52	<5		1	5	1000
Sol. Lead (Pb)	ND	ND	ND		1	5	90
Sol. Cadmium (Cd)	ND	ND	ND		1	5	75
Sol. Antimony (Sb)	ND	ND	ND		2	5	60
Sol. Selenium (Se)	ND	ND	ND		1	5	500
Sol. Chromium (Cr)	ND	ND	ND		2	5	60
Sol. Mercury (Hg)	ND	ND	ND		1	5	60
Sol. Arsenic (As)	ND	ND	ND		2	5	25

Remark: Sol. = Soluble

< = Less than

mg/kg = Milligram per kilogram = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(25) =	Solid Wood	Refer	BKKH17000142
(26) =	CREAM ELASTIC	Refer	BKKH17003195
(27) =	YELLOW SAWDUST (1235C)	Refer	BKKH17003189

Note: The results of soluble toxic elements were adjusted by subtracting the analytical correction factor.

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Test conducted:

Total Lead (Pb) Content

As per clause 4.3.5.1(1) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11 and F963-16^A, test method CPSC-CH-E1003-09.1:2011 was used and total Lead content was determined by ICP-OES analysis.

(I) Surface coating

()				
Tested Component	<u>Result</u>	<u>LOD</u>	<u>LOQ</u>	<u>Limit</u>
Toolog Component	<u>mg/kg</u>	<u>(mg/kg)</u>	<u>(mg/kg)</u>	<u>(mg/kg)</u>
(1)	ND	2	13	90
(2)	ND	2	13	90
(3)	ND	2	13	90
(4)	ND	2	13	90
(5)	ND	2	13	90
(6)	ND	2	13	90
(7)	ND	2	13	90
(8)	ND	2	13	90
(9)	ND	2	13	90
(10)	ND	2	13	90
(11)	<13	2	13	90
(12)	ND	2	13	90
(13)	ND	2	13	90
(14)	ND	2	13	90
(15)	ND	2	13	90

Remark: <= Less than

mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

rested components).		
(1) =	Brown Coating On Wood	Refer	BKKH16006844
(2) =	BLUE COATING ON WOOD	Refer	BKKH16008147
(3) =	RED COATING ON WOOD	Refer	BKKH16008147
(4) =	ORANGE COATING ON WOOD	Refer	BKKH16008147
(5) =	LACQUER COATING ON WOOD	Refer	BKKH16008147
(6) =	WHITE COATING ON WOOD	Refer	BKKH16008148
(7) =	YELLOW COATING ON WOOD	Refer	BKKH16008768
(8) =	DARK GREEN COATING ON WOOD	Refer	BKKH16015744
(9) =	LIGHT GRAY COATING ON WOOD	Refer	BKKH16015744
(10) =	GRAY COATING ON WOOD (15744)	Refer	BKKH16015744
(11) =	GREEN COATING ON WOOD	Refer	BKKH16016102S2
(12) =	Gray coating on wood	Refer	BKKH16015641
(13) =	Black Coating On Wood	Refer	BKKH16016482
(14) =	BLACK COATING ON SAWDUST	Refer	BKKH17003953
(15) =	WHITE COATING ON SAWDUST	Refer	BKKH17003953

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TEST REPORT

Test conducted:

Total Lead (Pb) Content

As per clause 4.3.5.1(1) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-16^A, test method CPSC-CH-E1003-09.1:2011 was used and total Lead content was determined by ICP-OES analysis.

(I) Surface coating

Tested Component	<u>Result</u>	<u>LOD</u> <u>LOQ</u>	<u>Limit</u>
rested Component	<u>mg/kg</u>	<u>(mg/kg)</u> (mg/kg)	<u>(mg/kg)</u>
(16)	ND	2 13	90
(17)	ND	2 13	90
(18)	ND	2 13	90
(19)	ND	2 13	90

Remark:

▲ = Tested items are not included in the TISI Accreditation

mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

Tested components:

DARK BROWN COATING ON SAWDUST	Refer	BKKH17003952
Blue coating on wood (3530)	Refer	BKKH17003530S1
BROWN COATING ON SAWDUST	Refer	BKKH17005493
LIGHT GRAY COATING ON SAWDUST	Refer	BKKH17005493
	BROWN COATING ON SAWDUST	Blue coating on wood (3530) Refer BROWN COATING ON SAWDUST Refer

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TEST REPORT

Test conducted:

Total Lead (Pb) Content

As per clause 4.3.5.2(2)(a) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, test method CPSC-CH-E1001-08.3:2012, CPSC-CH-E1002-08.3:2012 were used and total Lead content was determined by ICP-OES analysis.

(II) Non-surface coating

Tested Component	<u>Result</u>	LOD	<u>LOQ</u>	<u>Limit</u>
	<u>mg/kg</u>	<u>(mg/kg)</u>	(mg/kg)	<u>(mg/kg)</u>
(20)	ND	1	13	100
(21)	ND	1	13	100
(22)	ND	1	13	100
(23)	ND	1	13	100
(24)	ND	1	13	100
(25)	ND	1	13	100
(26)	ND	1	13	100
(27)	<13	1	13	100

Remark:

< = Less than

mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(20) =	Plywood	Refer	BKKH16007214
(21) =	White Sawdust 5%	Refer	BKKH16007214
(22) =	WHITE JOINT PLASTIC	Refer	BKKH16014216
(23) =	CREAM PLASTIC JOINT	Refer	BKKH16017556
(24) =	Black/ White plastic	Refer	BKKH16017641
(25) =	Solid Wood	Refer	BKKH17000142
(26) =	CREAM ELASTIC	Refer	BKKH17003195
(27) =	YELLOW SAWDUST (1235C)	Refer	BKKH17003189
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NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH17002818

TEST REPORT

Test conducted:

4 Total Lead (Pb) content ⁴

As per U.S. Code of Federal Regulations title 16 Part 1303. Acid digestion method was used and total Lead content was determined by Inductively Couple Plasma Optical Emission Spectrometry.

Tested component	Result	LOD	<u>LOQ</u>	<u>Limit</u>
	<u>%</u>	<u>%</u>	<u>%</u>	<u>%</u>
(1)	ND	0.0002	0.0013	0.009
(2)	ND	0.0002	0.0013	0.009
(3)	ND	0.0002	0.0013	0.009
(4)	ND	0.0002	0.0013	0.009
(5)	ND	0.0002	0.0013	0.009
(6)	ND	0.0002	0.0013	0.009
(7)	ND	0.0002	0.0013	0.009
(8)	ND	0.0002	0.0013	0.009
(9)	ND	0.0002	0.0013	0.009
(10)	ND	0.0002	0.0013	0.009
(11)	< 0.0013	0.0002	0.0013	0.009
(12)	ND	0.0002	0.0013	0.009
(13)	ND	0.0002	0.0013	0.009
(14)	ND	0.0002	0.0013	0.009
(15)	ND	0.0002	0.0013	0.009

Remark: % = percentage

< = Less than

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(1) = (2) = (3) = (4) = (5) = (6) = (7) =	Brown Coating On Wood BLUE COATING ON WOOD RED COATING ON WOOD ORANGE COATING ON WOOD LACQUER COATING ON WOOD WHITE COATING ON WOOD YELLOW COATING ON WOOD	Refer Refer Refer Refer Refer Refer	BKKH16008147 BKKH16008147 BKKH16008147 BKKH16008148 BKKH16008768
(7) =		Refer	BKKH16008768
(8) =		Refer	BKKH16015744
(9) =		Refer	BKKH16015744
(10) =		Refer	BKKH16015744
(11) =		Refer	BKKH16016102S2
(12) =		Refer	BKKH16015641
(13) =		Refer	BKKH16016482
(14) =	WHITE COATING ON SAWDUST	Refer	BKKH17003953
(15) =		Refer	BKKH17003953

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NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH17002818

TEST REPORT

Test conducted:

Total Lead (Pb) content[▲]

As per U.S. Code of Federal Regulations title 16 Part 1303. Acid digestion method was used and total Lead content was determined by Inductively Couple Plasma Optical Emission Spectrometry.

Tested component	<u>Result</u>	LOD	<u>LOQ</u>	<u>Limit</u>
	<u>%</u>	<u>%</u>	<u>%</u>	<u>%</u>
(16)	ND	0.0002	0.0013	0.009
(17)	ND	0.0002	0.0013	0.009
(18)	ND	0.0002	0.0013	0.009
(19)	ND	0.0002	0.0013	0.009

Remark: % = percentage

< = Less than
LOD = Limit of Detection</pre>

LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(16) =	DARK BROWN COATING ON SAWDUST	Refer	BKKH17003952
(17) =	Blue coating on wood (3530)	Refer	BKKH17003530S1
(18) =	BROWN COATING ON SAWDUST	Refer	BKKH17005493
(19) =	LIGHT GRAY COATING ON SAWDUST	Refer	BKKH17005493

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TEST REPORT

Test conducted:

5 Total lead (Pb) content in surface coating

As per U.S. Consumer Product Safety Improvement Act of 2008 (H.R. 4040), Title I, Section 101 for children's products containing Lead, CPSC-CH-E1003-09.1:2011 method was used and total Lead content was determined by Inductively Couple Plasma Optical Emission Spectrometry.

Tested component	Result	LOD	LOQ	Limit mg/kg
	<u>mg/kg</u>	mg/kg	mg/kg	
(1)	ND	2	13	90
(2)	ND	2	13	90
(3)	ND	2	13	90
(4)	ND	2	13	90
(5)	ND	2	13	90
(6)	ND	2	13	90
(7)	ND	2	13	90
(8)	ND	2	13	90
(9)	ND	2	13	90
(10)	ND	2	13	90
(11)	<13	2	13	90
(12)	ND	2	13	90
(13)	ND	2	13	90
(14)	ND	2	13	90
(15)	ND	2	13	90

Remark: <= Less than

mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

Tested components:

(1) = Brown Coating On Wood	Refer	BKKH16006844
(2) = BLUE COATING ON WOOD	Refer	BKKH16008147
(3) = RED COATING ON WOOD	Refer	BKKH16008147
(4) = ORANGE COATING ON WOOD	Refer	BKKH16008147
(5) = LACQUER COATING ON WOOD	Refer	BKKH16008147
(6) = WHITE COATING ON WOOD	Refer	BKKH16008148
(7) = YELLOW COATING ON WOOD	Refer	BKKH16008768
(8) = DARK GREEN COATING ON WOOD	Refer	BKKH16015744
(9) = LIGHT GRAY COATING ON WOOD	Refer	BKKH16015744
(10) = GRAY COATING ON WOOD (15744)	Refer	BKKH16015744
(11) = GREEN COATING ON WOOD	Refer	BKKH16016102S2
(12) = Gray coating on wood	Refer	BKKH16015641
(13) = Black Coating On Wood	Refer	BKKH16016482
(14) = BLACK COATING ON SAWDUST	Refer	BKKH17003953
(15) = WHITE COATING ON SAWDUST	Refer	BKKH17003953

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NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH17002818

TEST REPORT

Test conducted:

Total lead (Pb) content in surface coating

As per U.S. Consumer Product Safety Improvement Act of 2008 (H.R. 4040), Title I, Section 101 for children's products containing Lead, CPSC-CH-E1003-09.1:2011 method was used and total Lead content was determined by Inductively Couple Plasma Optical Emission Spectrometry.

Tested component	<u>Result</u>	LOD	<u>LOQ</u>	<u>Limit mg/kg</u>
	<u>mg/kg</u>	mg/kg	mg/kg	
(16)	ND	2	13	90
(17)	ND	2	13	90
(18)	ND	2	13	90
(19)	ND	2	13	90

Remark: <= Less than

mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

Tested components:

(16) =	DARK BROWN COATING ON SAWDUST	Refer	BKKH17003952
(17) =	Blue coating on wood (3530)	Refer	BKKH17003530S1
(18) =	BROWN COATING ON SAWDUST	Refer	BKKH17005493
(19) =	LIGHT GRAY COATING ON SAWDUST	Refer	BKKH17005493

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TEST REPORT

Test conducted:

Total lead (Pb) content in substrate material- non-metal children's product As per U.S. Consumer product safety improvement Act of 2008 (H.R. 4040), Title I, Section 101 for children's products containing lead, CPSC-CH-E1002-08.3:2012 method was used and total lead content was determined by Inductively Couple Plasma Optical Emission Spectrometry.

Tested component	<u>Result</u>	LOD	<u>LOQ</u>	Limit mg/kg
	<u>mg/kg</u>	mg/kg	mg/kg	
(1)	ND	1	13	100
(2)	ND	1	13	100
(3)	ND	1	13	100
(4)	ND	1	13	100
(5)	ND	1	13	100
(6)	ND	1	13	100
(7)	ND	1	13	100
(8)	<13	1	13	100

Remark:

< = Less than

mg/kg = Milligram per kilogram = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(1) =	Plywood	Refer	BKKH16007214
(2) =	White Sawdust 5%	Refer	BKKH16007214
(3) =	WHITE JOINT PLASTIC	Refer	BKKH16014216
(4) =	CREAM PLASTIC JOINT	Refer	BKKH16017556
(5) =	Black/ White plastic	Refer	BKKH16017641
(6) =	Solid Wood	Refer	BKKH17000142
(7) =	CREAM ELASTIC	Refer	BKKH17003195
(8) =	YELLOW SAWDUST (1235C)	Refer	BKKH17003189

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NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH17002818

TEST REPORT

Test conducted:

7 Phthalate content

As per CPSC-CH-C1001-09.3:2010 and U.S. Consumer Product Safety Improvement Act 2008 (H.R. 4040), Title I, Section 108 requirement on Phthalates, solvent extraction method was used and Phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

			Result			LOD	<u>LOQ</u>	<u>Limit</u>	<u>NPR</u>
			(%, w/w)			(%, w/w)	(%, w/w)	<u>(%, w/w)</u>	(%, w/w)
	(1)	(2)	(3)	(4)	(5)				
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	
Di-isobutyl phthalate (DIBP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-pentyl phthalate (DnPP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-hexyl phthalate (DnHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-cyclohexyl phthalate (DCHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Diisooctyl phthalate (DIOP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		

Remark: The above limit was quoted according to US Consumer Product Safety Improvement Act 2008 for prohibition on sale of certain products containing specified phthalates.

NPR = Notice of proposed rulemaking %, w/w = Percentage weight by weight

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(1) =	Brown Coating On Wood	Refer BKKH1	6006844
(2) =	Plywood	Refer BKKH1	6007214
(3) =	White Sawdust 5%	Refer BKKH1	6007214
(4) =	BLUE COATING ON WOOD	Refer BKKH1	6008147
(5) =	RED COATING ON WOOD	Refer BKKH1	6008147

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TEST REPORT

Test conducted:

Phthalate content

As per CPSC-CH-C1001-09.3:2010 and U.S. Consumer Product Safety Improvement Act 2008 (H.R. 4040), Title I, Section 108 requirement on Phthalates, solvent extraction method was used and Phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

			Result			LOD	<u>LOQ</u>	<u>Limit</u>	<u>NPR</u>
			(%, w/w)			(%, w/w)	(%, w/w)	<u>(%, w/w)</u>	(%, w/w)
	(6)	(7)	(8)	(9)	(10)				
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	0.0751	0.0015	0.003	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	
Di-isobutyl phthalate (DIBP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-pentyl phthalate (DnPP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-hexyl phthalate (DnHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-cyclohexyl phthalate (DCHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Diisooctyl phthalate (DIOP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		

Remark: The above limit was quoted according to US Consumer Product Safety Improvement Act 2008 for prohibition on sale of certain products containing specified phthalates.

NPR = Notice of proposed rulemaking %, w/w = Percentage weight by weight

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(6) =	ORANGE COATING ON WOOD	Refer	BKKH16008147
(7) =	LACQUER COATING ON WOOD	Refer	BKKH16008147
(8) =	WHITE COATING ON WOOD	Refer	BKKH16008148
(9) =	YELLOW COATING ON WOOD	Refer	BKKH16008768
(10) =	WHITE JOINT PLASTIC	Refer	BKKH16014216

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TEST REPORT

Test conducted:

Phthalate content

As per CPSC-CH-C1001-09.3:2010 and U.S. Consumer Product Safety Improvement Act 2008 (H.R. 4040), Title I, Section 108 requirement on Phthalates, solvent extraction method was used and Phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

			Result			LOD	<u>LOQ</u>	<u>Limit</u>	<u>NPR</u>
			(%, w/w)			(%, w/w)	(%, w/w)	<u>(%, w/w)</u>	(%, w/w)
	(11)	(12)	(13)	(14)	(15)				
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	
Di-isobutyl phthalate (DIBP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-pentyl phthalate (DnPP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-hexyl phthalate (DnHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-cyclohexyl phthalate (DCHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Diisooctyl phthalate (DIOP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		

Remark: The above limit was quoted according to US Consumer Product Safety Improvement Act 2008 for prohibition on sale of certain products containing specified phthalates.

NPR = Notice of proposed rulemaking %, w/w = Percentage weight by weight

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(11) =	DARK GREEN COATING ON WOOD	Refer	BKKH16015744
(12) =	LIGHT GRAY COATING ON WOOD	Refer	BKKH16015744
(13) =	GRAY COATING ON WOOD (15744)	Refer	BKKH16015744
(14) =	Gray coating on wood	Refer	BKKH16015641
(15) =	Black Coating On Wood	Refer	BKKH16016482

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TEST REPORT

Test conducted:

Phthalate content

As per CPSC-CH-C1001-09.3:2010 and U.S. Consumer Product Safety Improvement Act 2008 (H.R. 4040), Title I, Section 108 requirement on Phthalates, solvent extraction method was used and Phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

			Result			LOD	<u>LOQ</u>	<u>Limit</u>	<u>NPR</u>
			(%, w/w)			(%, w/w)	(%, w/w)	<u>(%, w/w)</u>	(%, w/w)
	(16)	(17)	(18)	(19)	(20)				
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	
Di-isobutyl phthalate (DIBP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-pentyl phthalate (DnPP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-hexyl phthalate (DnHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-cyclohexyl phthalate (DCHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Diisooctyl phthalate (DIOP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		

Remark: The above limit was quoted according to US Consumer Product Safety Improvement Act 2008 for prohibition on sale of certain products containing specified phthalates.

NPR = Notice of proposed rulemaking %, w/w = Percentage weight by weight

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(16) =	GREEN COATING ON WOOD	Refer	BKKH16016102S2
(17) =	CREAM PLASTIC JOINT	Refer	BKKH16017556
(18) =	Black/ White plastic	Refer	BKKH16017641
(19) =	CREAM ELASTIC	Refer	BKKH17003195
(20) =	YELLOW SAWDUST (1235C)	Refer	BKKH17003189

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TEST REPORT

Test conducted:

Phthalate content

As per CPSC-CH-C1001-09.3:2010 and U.S. Consumer Product Safety Improvement Act 2008 (H.R. 4040), Title I, Section 108 requirement on Phthalates, solvent extraction method was used and Phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

			Result			LOD	<u>LOQ</u>	<u>Limit</u>	<u>NPR</u>
			(%, w/w)			(%, w/w)	(%, w/w)	<u>(%, w/w)</u>	(%, w/w)
	(21)	(22)	(23)	(24)	(25)				
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1	
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1	
Di-isobutyl phthalate (DIBP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-pentyl phthalate (DnPP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-n-hexyl phthalate (DnHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Di-cyclohexyl phthalate (DCHP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		0.1
Diisooctyl phthalate (DIOP) [▲]	ND	ND	ND	ND	ND	0.0015	0.009		

Remark: The above limit was quoted according to US Consumer Product Safety Improvement Act 2008 for prohibition on sale of certain products containing specified phthalates.

NPR = Notice of proposed rulemaking %, w/w = Percentage weight by weight

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(21) =	BLACK COATING ON SAWDUST	Refer	BKKH17003953
(22) =	WHITE COATING ON SAWDUST	Refer	BKKH17003953
(23) =	DARK BROWN COATING ON SAWDUST	Refer	BKKH17003952
(24) =	Blue coating on wood (3530)	Refer	BKKH17003530S1
(25) =	BROWN COATING ON SAWDUST	Refer	BKKH17005493

Intertek Testing Services (Thailand) Ltd.

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NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH17002818

TEST REPORT

Test conducted:

Phthalate content

As per CPSC-CH-C1001-09.3:2010 and U.S. Consumer Product Safety Improvement Act 2008 (H.R. 4040), Title I, Section 108 requirement on Phthalates, solvent extraction method was used and Phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

		<u>Result</u>	LOD	<u>LOQ</u>	<u>Limit</u>	<u>NPR</u>
		<u>(%, w/w)</u>	(%, w/w)	(%, w/w)	<u>(%, w/w)</u>	(%, w/w)
	(26)					
Dibutyl Phthalate (DBP)	ND		0.0015	0.003	0.1	0.1
Diethyl hexyl Phthalate (DEHP)	ND		0.0015	0.003	0.1	0.1
Benzyl butyl Phthalate (BBP)	ND		0.0015	0.003	0.1	0.1
Di-iso-nonyl Phthalate (DINP)	ND		0.0015	0.009	0.1	0.1
Di-n-octyl Phthalate (DNOP)	ND		0.0015	0.003	0.1	
Di-iso-decyl Phthalate (DIDP)	ND		0.0015	0.009	0.1	
Di-isobutyl phthalate (DIBP) [▲]	ND		0.0015	0.009		0.1
Di-n-pentyl phthalate (DnPP) [▲]	ND		0.0015	0.009		0.1
Di-n-hexyl phthalate (DnHP) [▲]	ND		0.0015	0.009		0.1
Di-cyclohexyl phthalate (DCHP) [▲]	ND		0.0015	0.009		0.1
Diisooctyl phthalate (DIOP) [▲]	ND		0.0015	0.009		

Remark: The above limit was quoted according to US Consumer Product Safety Improvement Act 2008 for prohibition on sale of certain products containing specified phthalates.

NPR = Notice of proposed rulemaking %, w/w = Percentage weight by weight

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Tested components:

(26) = LIGHT GRAY COATING ON SAWDUST Refer BKKH17005493

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NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH17002818

TEST REPORT

Test conducted:

8 Phthalate content test^{*}

By solvent extraction and Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

			Result			LOD	<u>LOQ</u>	<u>Limit</u>
			(%, w/w)			(%, w/w)	(%, w/w)	<u>(%, w/w)</u>
	(1)	(2)	(3)	(4)	(5)			
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Dioctyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Di-n-hexyl Phthalate (DnHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1

Remark: %, w/w = Percentage weight by weight

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Note: The above limit was quoted according to the California Proposition 65

Tested components:

(1) =	Brown Coating On Wood	Refer	BKKH16006844
(2) =	Plywood	Refer	BKKH16007214
(3) =	White Sawdust 5%	Refer	BKKH16007214
(4) =	BLUE COATING ON WOOD	Refer	BKKH16008147
(5) =	RED COATING ON WOOD	Refer	BKKH16008147



NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH17002818

TEST REPORT

Test conducted:

Phthalate content test

By solvent extraction and Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

			Result			<u>LOD</u>	<u>LOQ</u>	<u>Limit</u>
			(%, w/w)			(%, w/w)	(%, w/w)	(%, w/w)
	(6)	(7)	(8)	(9)	(10)			
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	0.0751	0.0015	0.003	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Dioctyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Di-n-hexyl Phthalate (DnHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1

Remark: %, w/w = Percentage weight by weight

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation The above limit was quoted according to the California Proposition 65

Tested components:

Note:

(6) =	ORANGE COATING ON WOOD	Refer	BKKH16008147
(7) =	LACQUER COATING ON WOOD	Refer	BKKH16008147
(8) =	WHITE COATING ON WOOD	Refer	BKKH16008148
(9) =	YELLOW COATING ON WOOD	Refer	BKKH16008768
(10) =	WHITE JOINT PLASTIC	Refer	BKKH16014216



NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH17002818

TEST REPORT

Test conducted:

Phthalate content test

By solvent extraction and Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

			Result			LOD	LOQ	<u>Limit</u>
			(%, w/w)			(%, w/w)	(%, w/w)	(%, w/w)
	(11)	(12)	(13)	(14)	(15)			
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Dioctyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Di-n-hexyl Phthalate (DnHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1

Remark: %, w/w = Percentage weight by weight

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Note: The above limit was quoted according to the California Proposition 65

Tested components:

(11) =	DARK GREEN COATING ON WOOD	Refer	BKKH16015744
(12) =	LIGHT GRAY COATING ON WOOD	Refer	BKKH16015744
(13) =	GRAY COATING ON WOOD (15744)	Refer	BKKH16015744
(14) =	Gray coating on wood	Refer	BKKH16015641
(15) =	Black Coating On Wood	Refer	BKKH16016482



NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH17002818

TEST REPORT

Test conducted:

Phthalate content test

By solvent extraction and Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

			Result			<u>LOD</u>	<u>LOQ</u>	<u>Limit</u>
			(%, w/w)			(%, w/w)	(%, w/w)	(%, w/w)
	(16)	(17)	(18)	(19)	(20)			
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Dioctyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Di-n-hexyl Phthalate (DnHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1

Remark: %, w/w = Percentage weight by weight

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation The above limit was quoted according to the California Proposition 65

Tested components:

Note:

(16) =	GREEN COATING ON WOOD	Refer	BKKH16016102S2
(17) =	CREAM PLASTIC JOINT	Refer	BKKH16017556
(18) =	Black/ White plastic	Refer	BKKH16017641
(19) =	CREAM ELASTIC	Refer	BKKH17003195
(20) =	YELLOW SAWDUST (1235C)	Refer	BKKH17003189



NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH17002818

TEST REPORT

Test conducted:

Phthalate content test

By solvent extraction and Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

			Result			LOD	<u>LOQ</u>	<u>Limit</u>
			(%, w/w)			(%, w/w)	(%, w/w)	<u>(%, w/w)</u>
	(21)	(22)	(23)	(24)	(25)			
Dibutyl Phthalate (DBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Diethyl hexyl Phthalate (DEHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Benzyl butyl Phthalate (BBP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-nonyl Phthalate (DINP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Dioctyl Phthalate (DNOP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1
Di-iso-decyl Phthalate (DIDP)	ND	ND	ND	ND	ND	0.0015	0.009	0.1
Di-n-hexyl Phthalate (DnHP)	ND	ND	ND	ND	ND	0.0015	0.003	0.1

Remark: %, w/w = Percentage weight by weight

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation The above limit was quoted according to the California Proposition 65

Tested components:

Note:

(21) =	BLACK COATING ON SAWDUST	Refer	BKKH17003953
(22) =	WHITE COATING ON SAWDUST	Refer	BKKH17003953
(23) =	DARK BROWN COATING ON SAWDUST	Refer	BKKH17003952
(24) =	Blue coating on wood (3530)	Refer	BKKH17003530S1
(25) =	BROWN COATING ON SAWDUST	Refer	BKKH17005493



NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH17002818

TEST REPORT

Test conducted:

Phthalate content test

By solvent extraction and Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

		Result	LOD	<u>LOQ</u>	<u>Limit</u>
		<u>(%, w/w)</u>	<u>(%, w/w)</u>	(%, w/w)	<u>(%, w/w)</u>
	(26)				
Dibutyl Phthalate (DBP)	ND		0.0015	0.003	0.1
Diethyl hexyl Phthalate (DEHP)	ND		0.0015	0.003	0.1
Benzyl butyl Phthalate (BBP)	ND		0.0015	0.003	0.1
Di-iso-nonyl Phthalate (DINP)	ND		0.0015	0.009	0.1
Dioctyl Phthalate (DNOP)	ND		0.0015	0.003	0.1
Di-iso-decyl Phthalate (DIDP)	ND		0.0015	0.009	0.1
Di-n-hexyl Phthalate (DnHP)	ND		0.0015	0.003	0.1

Remark: %, w/w = Percentage weight by weight

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation The above limit was quoted according to the California Proposition 65

Tested components:

Note:

(26) = LIGHT GRAY COATING ON SAWDUST Refer BKKH17005493

Intertek Testing Services (Thailand) Ltd.



NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH17002818

TEST REPORT

Test conducted:

9 Total Lead (Pb) Content[▲]

As per Illinois Lead poisoning prevention act 410 ILCS 45 section 6 (public act 095-1019), acid digestion method was used and total Lead content was determined by Inductively Couple Plasma Optical Emission Spectrometry.

Surface coating material				
Tested component	Result	LOD	LOQ	Limit
	mg/kg	mg/kg	mg/kg	mg/kg
(1)	ND	2	13	90
(2)	ND	2	13	90
(3)	ND	2	13	90
(4)	ND	2	13	90
(5)	ND	2	13	90
(6)	ND	2	13	90
(7)	ND	2	13	90
(8)	ND	2	13	90
(9)	ND	2	13	90
(10)	ND	2	13	90
(11)	<13	2	13	90
(12)	ND	2	13	90
(13)	ND	2	13	90
(14)	ND	2	13	90
(15)	ND	2	13	90
(16)	ND	2	13	90
(17)	ND	2	13	90
(18)	ND	2	13	90
(19)	ND	2	13	90

Remark: <= Less than

mg/kg = Milligram per kilogram based on weight of sample; = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

▲ = Tested items are not included in the TISI Accreditation

Requirement:

According to Illinois Lead poisoning prevention act 410 ILCS 45 section 6 (public act 095-019), appropriate warning statement is required when the Lead content of the submitted sample is more than 40 ppm but less than 90 ppm for surface coatings and less than 100 ppm for substrates by total weight or a lower standard for Lead content as may be established by federal or state law or regulation.

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NSC-TISI-TIS 17025 TESTING 0417 Number: BKKH17002818

TEST REPORT

Test conducted:

Tested components:

1621	eu component	o.		
(1)	=	Brown Coating On Wood	Refer	BKKH16006844
(2)	=	BLUE COATING ON WOOD	Refer	BKKH16008147
(3)	=	RED COATING ON WOOD	Refer	BKKH16008147
(4)	=	ORANGE COATING ON WOOD	Refer	BKKH16008147
(5)	=	LACQUER COATING ON WOOD	Refer	BKKH16008147
(6)	=	WHITE COATING ON WOOD	Refer	BKKH16008148
(7)	=	YELLOW COATING ON WOOD	Refer	BKKH16008768
(8)	=	DARK GREEN COATING ON WOOD	Refer	BKKH16015744
(9)	=	LIGHT GRAY COATING ON WOOD	Refer	BKKH16015744
(10)	=	GRAY COATING ON WOOD (15744)	Refer	BKKH16015744
(11)	=	GREEN COATING ON WOOD	Refer	BKKH16016102S2
(12)	=	Gray coating on wood	Refer	BKKH16015641
(13)	=	Black Coating On Wood	Refer	BKKH16016482
(14)	=	BLACK COATING ON SAWDUST	Refer	BKKH17003953
(15)	=	WHITE COATING ON SAWDUST	Refer	BKKH17003953
(16)	=	DARK BROWN COATING ON SAWDUST	Refer	BKKH17003952
(17)	=	Blue coating on wood (3530)	Refer	BKKH17003530S1
(18)	=	BROWN COATING ON SAWDUST	Refer	BKKH17005493
(19)	=	LIGHT GRAY COATING ON SAWDUST	Refer	BKKH17005493

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Number: BKKH17002818

TEST REPORT

Test conducted:

Non-surface coating material (substrate) Ш

Tested component	Result	<u>LOD</u>	<u>LOQ</u>	<u>Limit</u>
	<u>mg/kg</u>	<u>mg/kg</u>	mg/kg	<u>mg/kg</u>
(20)	ND	1	13	100
(21)	ND	1	13	100
(22)	ND	1	13	100
(23)	ND	1	13	100
(24)	ND	1	13	100
(25)	ND	1	13	100
(26)	ND	1	13	100
(27)	<13	1	13	100

Remark: < = Less than

mg/kg = Milligram per kilogram = ppm = Parts per million

LOD = Limit of Detection LOQ = Limit of Quantitation

ND = Not detected (Less than LOD)

Requirement:

According to Illinois Lead poisoning prevention act 410 ILCS 45 section 6 (public act 095-019), appropriate warning statement is required when the Lead content of the submitted sample is more than 40 ppm but less than 90 ppm for surface coatings and less than 100 ppm for substrates by total weight or a lower standard for Lead content as may be established by federal or state law or regulation.

Tested components:

(20)	=	Plywood	Refer	BKKH16007214
(21)	=	White Sawdust 5%	Refer	BKKH16007214
(22)	=	WHITE JOINT PLASTIC	Refer	BKKH16014216
(23)	=	CREAM PLASTIC JOINT	Refer	BKKH16017556
(24)	=	Black/ White plastic	Refer	BKKH16017641
(25)	=	Solid Wood	Refer	BKKH17000142
(26)	=	CREAM ELASTIC	Refer	BKKH17003195
(27)	=	YELLOW SAWDUST (1235C)	Refer	BKKH17003189

LOD and LOQ value in this test report were effective since October, 2014

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